LiPo Battery

Specifications:

- Capacity: 2650 mAh

- **Voltage Rating:** 3S = 11.4V

- Discharge Rating: 30C

Additional Calculations:

- Total Current Discharge Capacity: 30 x C = 30 x 2.65 Ah = 79.5 A (maximum)

- **Battery Voltage:** 3S = 3 (3.7V) = 11.1V

Servo Motor: RobotStar SBRS-5314HTG 280° Digital Metal Gear

Specifications:

- Operating Voltage: 7.4-11.1 V

- Operating Speed: 0.18 sec/60° or 0.14 sec/60°

- Stall Torque: 32.4 kg.cm or 53.1 kg.cm

- Rotation Scope: 0-280°

- **Weight**: 81g

- **Size**: 43 x 32 x 32.5 mm

Operating Frequency: 1520 us/333 Hz, 900-2100 us
Approximate Current Draw Range (Forum): 4-8 A

Power Supply Relay: SPDT Relay (30A)

Specifications

- 1 common terminal

- 1 Normally Open (NO) terminal

- 1 Normally Closed (NC) terminal

- Weight: 37g

- **Size:** 20 x 20 x 8 mm

Operating Voltage: 4.75-5.25V
Contact rate: 250 VAC, 30 VDC
Switching Current rate: 30A

Solenoid Relays: 5V 2-Channel Relay Module 10A

Specifications

- Two Straight Headers, each with:

- 1 common terminal

- 1 Normally Open (NO) terminal

- 1 Normally Closed (NC) terminal

- **Size:** 39 x 51 mm

Operating Voltage: 5VContact rate: 10A, 28 VDC

Solenoids: 12 VDC Pull Push Solenoid (Adafruit)

Specifications

Current Draw: 250mAOperating Voltage: 12V

- **Weight:** 144 g

- **Size:** 40 x 29 x 25 mm

- **Starting Force**: 6N (50% duty

cycle)

